

541,824

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
12 August 2004 (12.08.2004)

PCT

(10) International Publication Number
WO 2004/067935 A1

(51) International Patent Classification⁷: F02B 77/13, B60R 13/08

(21) International Application Number:
PCT/CH2004/000044

(22) International Filing Date: 27 January 2004 (27.01.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
203 01 2003 27 January 2003 (27.01.2003) DE

(71) Applicant (for all designated States except US): RIETER TECHNOLOGIES AG [CH/CH]; Schlossalstrasse 43, CH-8406 Winterthur (CH).

(72) Inventor; and

(75) Inventor/Applicant (for US only): TINTI, Francesco, Carlo [IT/IT]; Via Fiamminghino, 9, I-20156 Milan (IT).

(74) Agent: SEIFERT, Hans, Ulrich; Felber, Seifert & Partner, Dufourstrasse 116, P.O. Box 380, CH-8034 Zürich (CH).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

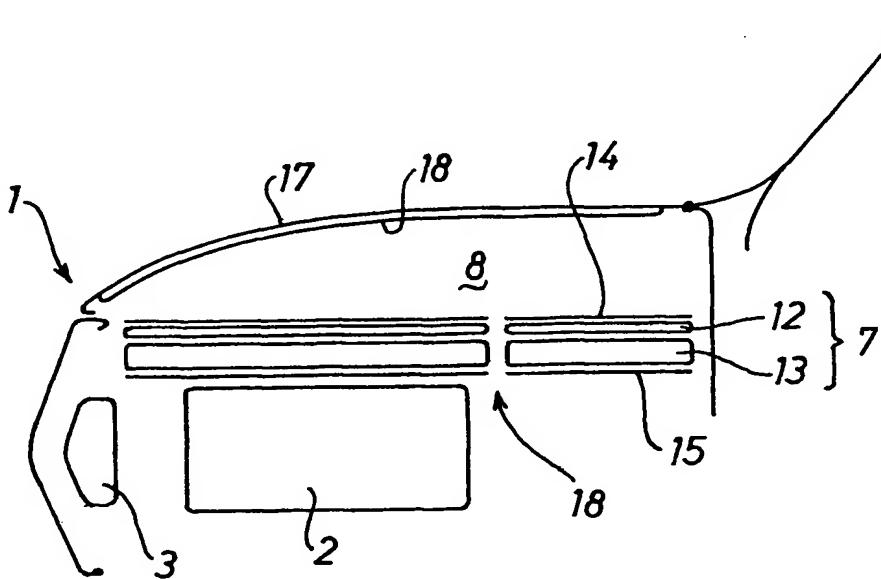
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ENGINE COMPARTMENT PARTITIONING LAYER



WO 2004/067935 A1

(57) Abstract: For the formation of a sound insulating and absorbing cavity (8) within an engine compartment (1), said engine compartment (1) is partitioned by means of a lightweight engine compartment partitioning layer (7). Said partitioning layer (7) can be made of several sections and forms an essentially cohesive surface within the engine compartment (1). In a preferred embodiment of the invention this partitioning layer (7) consists of a carrier layer (12) and a sound absorbent layer (13) and may comprise first and second water and oil repellent layers (14, 15). The cavity (8) created by this partitioning layer (7) leads to a substantive increase in transmission loss.